

Serial No.: 09/853,736
Group Art Unit: 2126
Examiner: Qing Yuan Wu

In the Claims:

1 - 33 (canceled)

1 34. (new) A computer implemented method, in a system for managing elements of a
2 telecommunications network, of an event publishing service for a telecommunications element
3 manager system, wherein the element manager system provides events which must be
4 transported to event consumers, the method comprising:
5 encapsulating a policy of an event transport architecture in an event publishing service
6 which is a runtime software component separate from the element manager but having a
7 public interface;
8 obtaining, by the element manager, a reference to the event publishing service, and
9 calling a function to trigger the event publishing service to form the event transport
10 architecture;
11 reading, by the event publishing service in response to the calling, a configuration file
12 that defines the event transport architecture, including an initial number of channels,
13 characteristics of each of the initial channels and supplier elements to be connected to
14 each of the initial channels;
15 building each of the initial channels as defined in the configuration file, including
16 registering, by the event publishing service, an event type it is to send on an initial
17 channel associated with the event type,
18 obtaining from the element management system an event supplier to provide the
19 registered event type from the element management system, and
20 connecting the event supplier to send to the initial channel associated with the
21 event type;
22 registering each of the initial channels in a naming service according to a naming policy
23 to make each of the initial channels available to consumers for connection; and
24 waiting for connection requests.

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1 35. (new) The method of claim 34, wherein the step of reading a configuration file, further
2 comprises the steps of:

- 3 determining event types to be carried by each of the initial channels;
- 4 determining quality of service properties for each of the initial channels;
- 5 determining a channel name for each of the initial channels; and
- 6 determining a channel connectivity for each of the initial channels.

1 36. (new) The method of claim 35, wherein the step of building each of the initial channels
2 as defined in the configuration file, comprises for each initial channel:

- 3 obtaining an event channel factory object, wherein the event channel factory is a standard
- 4 object in a notification service;
- 5 creating the initial channel and configuring the initial channel with any quality of service
- 6 properties for the initial channel;
- 7 obtaining a supplier admin from the initial channel;
- 8 creating a proxy consumer from the supplier admin; and
- 9 connecting the event supplier to the proxy consumer to permit events to be carried
- 10 through the initial channel.

1 37. (new) The method of claim 34, further comprising the steps of:
2 determining additional channels in the event transport architecture are needed; and
3 building each of the additional channels.

1 38. (new) The method of claim 37, wherein the step of building each of the additional
2 channels comprises:

- 3 obtaining an event channel factory object, wherein the event channel factory is a standard
- 4 object in a notification service;
- 5 creating the additional channel and configuring the additional channel with any quality of
- 6 service properties for the additional channel;
- 7 obtaining a supplier admin from the additional channel;
- 8 creating a proxy consumer from the supplier admin; and

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9 connecting the event supplier to the proxy consumer to permit events to be carried
10 through the additional channel.

1 39. (new) The method of claim 38, wherein the event suppliers and event consumers reside
2 on separate nodes connected by a communications network.

1 40. (new) The method of claim 39, further comprising the steps of:
2 encoding event information from the event suppliers; and
3 coordinating event transport between the event suppliers and the event consumers over
4 the channels created in the event transport architecture
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